

## ISTE/Common Core Technology Standards Alignment

Grade	ISTE Technology Literate Profile (ISTE Standards)	Common Core Tech Standard	Example Activity 1	Example Activity 2
3 <sup>rd</sup>	Produce a media-rich digital story about a significant local event based on first-person interviews (1, 2, 3, 4)	CC RI #5 CC SL #5 CC W #6 CC W #7 CC W #8	Use Prezi, PowerPoint, Voicethread, or Educreations to create a news story on an upcoming school event. Interview the participants to gather the information.  Use <a href="http://www.kerpoof.com">www.kerpoof.com</a> to create a digital story.  Have students create an interactive timeline at <a href="http://www.timetoast.com">www.timetoast.com</a> based on a person's experience.	Take these projects and post them on an ongoing wiki discussing the events of the year in your school district. This could be a yearlong "news" program for other teachers, students, and parents to access. Emphasizes writing, researching, and peer interaction in a real life way.
3 <sup>rd</sup>	Conceptualize, guide, and manage individual or group learning projects using digital planning tools with teacher support. (4, 6)	CC W #6 CC W #8	Utilize a wiki, blog, Google Doc spreadsheet, or other organization device to divide workloads, relay information, and reflect on progress.	
3 <sup>rd</sup>	Practice injury prevention by applying a variety of ergonomic strategies when using technology. (5)		Discuss and enforce proper posture when utilizing computers.	
4 <sup>th</sup>	Select and apply digital tools to collect, organize, and analyze data to evaluate theories or test hypothesis (3, 4, 6)	CC RI #6 CC RI #9 CC RI #7 CC W #7 CC W #2a CC W #6 CC W #8 CC SL #2 CC SL #5 CC L #4c	Students could utilize spreadsheet software to aid in the collection and organization of data related to a science project and utilize that data to put together an online presentation. This could culminate in the student making a video to put on YouTube describing a science topic or concept.	Find or create your own project based learning activity that will require students to solve a real problem in your community. Utilizing the internet to locate information, spreadsheet, presentation software, or other technologies to present the solution/product to a wide audience. Check out <a href="http://www.bie.org">www.bie.org</a> for guidance and great ideas.
4 <sup>th</sup>	Recognize bias in digital resources while researching	CC SL #2 CC W #7 CC W #2a	Organize a series of web resources for students that have conflicting viewpoints on a topic. Have students evaluate how to determine the validity of	

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	an environmental issue with guidance from the teacher. (3, 4)		statements, and how to check a website for authenticity. <a href="http://21cif.com/tutorials/micro/index.html">http://21cif.com/tutorials/micro/index.html</a> is a great website for information on this.	
4 <sup>th</sup>	Use digital-imaging technology to modify or create works of art for use in a digital presentation. (1, 2 6)	CC W #6 CC SL #5	Use a screen capturing program to capture and annotate information for embedding into a project (Awesome ScreenShot is a great program)	Have a student upload a picture they took to a basic imaging program such as Instagram and modify the picture for using in a presentation.
5 <sup>th</sup>	Conduct science experiments using digital instruments and measurement devices. (4, 6)	CC W #7 CC SL #5 CC W #2a	At <a href="http://www.bie.org">www.bie.org</a> , in the lesson search, check out the various science experiments. "Whether or Not Weather is Affected" is a great 5 <sup>th</sup> grade experiment.	Science simulations can be great. Check out <a href="http://www.phet.colorado.edu">www.phet.colorado.edu</a> for free simulations.
5 <sup>th</sup>	Identify and investigate a global issue and generate possible solutions using digital tools and resources. (3, 4)	CC RI #7 CC W #6 CC W #7 CC W #8	Review the Project Based Learning page on the Netrix IT Professional Development page to get ideas on how to structure a lesson that fits this description. With some careful planning it is not out of reach, and your students will love it.	
5 <sup>th</sup>	Debate the effect of existing and emerging technologies on individuals, society, and the global community. (5, 6)	CC SL #2 CC SL #5 CC W #2a CC W #7 CC RI #7	Review the Project Based Learning page on the Netrix IT Professional Development page to get ideas on how to structure a lesson that fits this description.	
5 <sup>th</sup>	Apply previous knowledge of digital technology operations to analyze and solve current hardware and software problems. (4, 6)	N/A	In essence this is requiring students to be self-reliant when it comes to basic trouble shooting. Encourage your students to work together to find solutions to why a document won't print, how to install or uninstall a program, where to plug in a keyboard, mouse, or monitor. It comes down to not just giving up at the first sign of trouble. For basic troubleshooting advice go to: <a href="#">Troubleshooting</a> A simple Google search for computer troubleshooting will yield many great ideas as well.	